

A IN-BUILDING CODE DIVISION MULTIPLE ACCESS WIRELESS SYSTEM AND METHOD

ABSTRACT OF THE DISCLOSURE

A wireless office communication system including a wireless internet base station (WIBS) encompassing a base station controller, a mobile switch controller and an ethernet interface module for coupling the WIBS to an existing internet protocol (IP) based network. The interface module provides for coupling the WIBS to an ethernet back-bone, a mobile communication unit and a public switch telephone network (PSTN). In one embodiment the wireless communication system includes a wireless internet server which also encompasses base station controller and mobile switch controller functions to enable the wireless communication system manage call mobility with the system. In one embodiment communication between the WIBS and the PSTN is in a IP data protocol format. The WIBS provides control and sequencing of all call control operations by handling both voice and data calls which are transmitted over the ethernet back-bone to the PSTN or the internet.